PluralXT Android SDK Integration V1.0
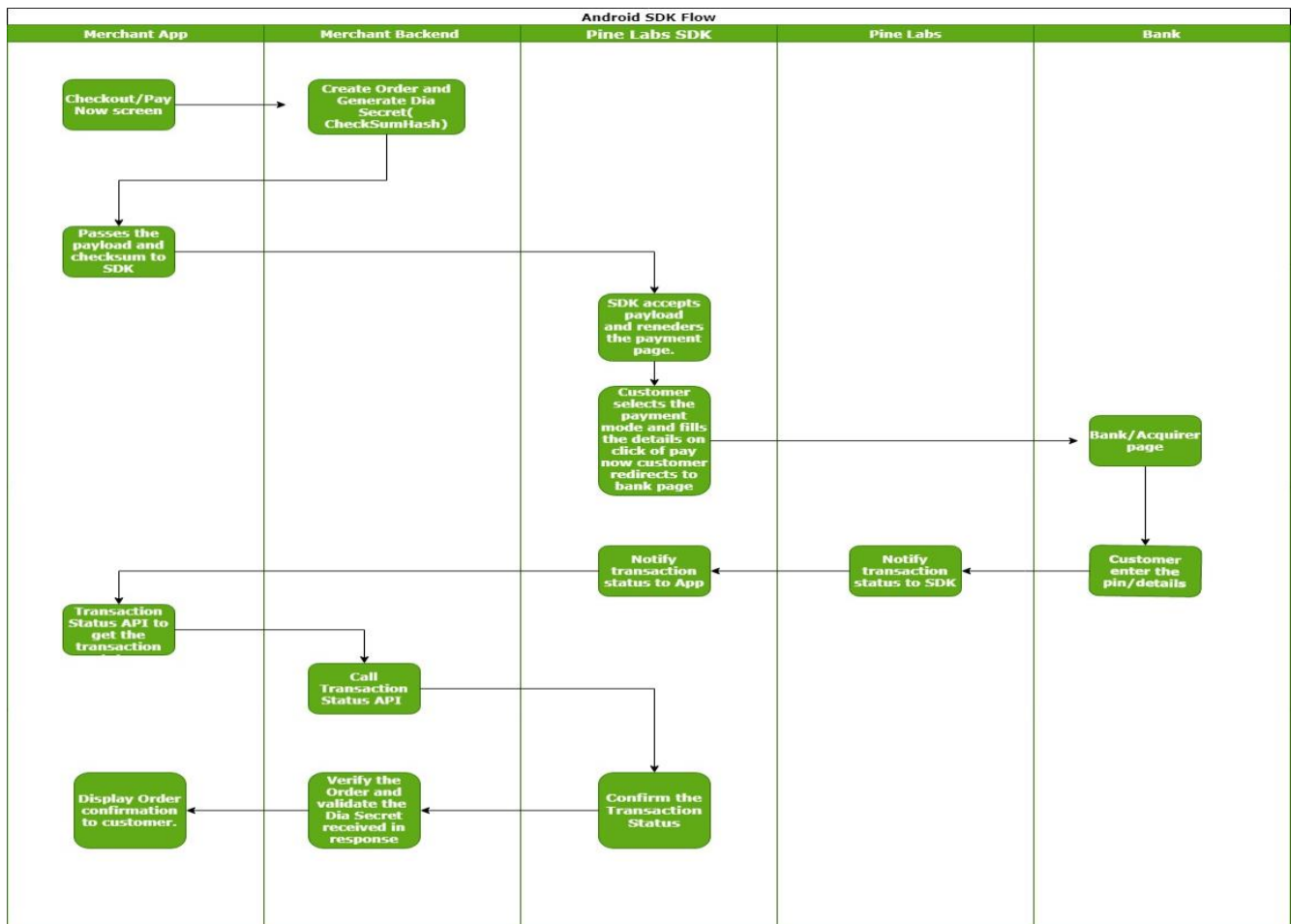
CONTENTS

1 About This Guide

1.1 Objectives and Target Audience

This guide provides the details on how to connect merchant's android application with PluralXT SDK and use its services. It is intended for users who want to carry out integration with payment gateway.

2 Android SDK Payment Flow

- **Step 1** : On click of make payment/pay now button, order payload is passed to merchant server by the app.
- **Step 2**: Generate the token through Order creation api.Refer this URL for creating order https://developer.pinelabs.com/plural-xt/apis#order
- **Step 3** : Pass the created token and all the payload details to PluralXT android SDK.
- **Step 4** : If payload is valid redirect to PluralXT SDK and payment options will be displayed..
- **Step 6** : Once the customer fill the payment details and complete the payment, then merchant app is notified via call back.
- **Step 7** : Merchant verifies the transaction status with get transaction status API via server to server call.

2.1 Flow Diagram

3   SDK Integration

3.1   Step 1 SDK Installation and Setup

Install PluralXT android SDK using android studio and IntelliJ. To add the SDK to your app, add the following dependency in your build.gradle :

```
dependencies {

            implementation project(':PluralXTSDK')
            implementation 'pl.droidsonroids.gif:android-gif-drawable:1.2.17'


        }
```

Add the following code to your AndroidManifest.xml to get static permission

```xml
<uses-permission android:name="android.permission.INTERNET"/>
<uses-permission android:name="android.permission.ACCESS_NETWORK_STATE"/>
```

3.2   Step 2 Initialization

- Generate the token through Order creation api.Refer this URL for creating order and token
  https://developer.pinelabs.com/plural-xt/apis#order
- After creating pass the token, Callback Object,paymentMode and Enviroment in PluralXTCheckoutManager class.
- Enviroments:
    - UAT : PluralXTBaseUrlTypeAnnotation.UAT
    - Production : PluralXTBaseUrlTypeAnnotation.Production

```
PluralXTCheckoutManager.getInstance().setContext(MainActivity.this);

PluralXTCheckoutManager.getInstance().startPaymentService(pluralCheckoutCallback,

PluralXTBaseUrlTypeAnnotation.TEST,"1","f2st3ugAI7%2bWQsqOQq%2bTn87NYAswjhNKYY8HdkmrsAM%3d");
```

3.3   Step 3 Implement CallBack Interface

```
private IPluralXTCheckoutResponseCallback pluralCheckoutCallback =new IPluralXTCheckoutResponseCallback
()
{
```

```
            @Override
            public void onErrorOccurred(int i, String s)
             {

             }

            @Override
            public void onTransactionResponse(Bundle bundle)
            {


            }

             @Override
             public void onCancelTxn()
             {

             }

              @Override
            public void onPressedBackButton()
            {

            }

            @Override
            public void onPageStarted(WebView webView, String s)
            {

             }

            @Override
             public void onWebViewReady(WebView webView)
             {

             }
    };
```

4   Transaction Verification

It is the Rest API used to get the transaction status of the transaction. Merchant needs to call this api after receiving callback of transation.

Parameter details can be found in dependent transaction request section *https://developer.pinelabs.com/plural-xt/docs*